

Title (en)  
INTERNAL CANNULA MOUNTED NEBULIZER

Title (de)  
ZERSTÄUBER MIT INTERNER KANÜLE

Title (fr)  
NÉBULISEUR MONTÉ SUR UNE CANULE INTERNE

Publication  
**EP 4034211 B1 20231227 (EN)**

Application  
**EP 20790120 A 20200925**

Priority  
• US 201962906404 P 20190926  
• US 2020052808 W 20200925

Abstract (en)  
[origin: US2021093809A1] Provided herein are devices, systems, and methods for providing respiratory therapy to a patient using a nasal cannula comprising a cannula body, first and second inlet tubes, and a nasal prong for the delivery of a flow of breathing gas to the patient. Configured with the cannula is a nebulizer having an aerosol generator positioned to emit aerosolized medicament along a longitudinal axis of the nasal prong. A flow director is configured to direct the flow of breathing gas into the nasal prong such that the breathing gas flows along the longitudinal axis, such that the flow of aerosolized medicament is contained within the flow of breathing gas as it moves along the longitudinal axis of the nasal prong for delivery to the patient.

IPC 8 full level  
**A61M 16/06** (2006.01); **A61M 11/00** (2006.01); **A61M 16/00** (2006.01); **A61M 16/08** (2006.01)

CPC (source: EP IL US)  
**A61M 11/005** (2013.01 - EP IL); **A61M 15/0085** (2013.01 - IL US); **A61M 15/08** (2013.01 - IL US); **A61M 16/0666** (2013.01 - EP IL US); **A61M 16/0816** (2013.01 - IL); **A61M 16/0816** (2013.01 - EP); **A61M 2016/0024** (2013.01 - EP IL); **A61M 2205/50** (2013.01 - IL US); **A61M 2206/18** (2013.01 - EP IL); **A61M 2206/20** (2013.01 - EP IL US)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**US 11878115 B2 20240123**; **US 2021093809 A1 20210401**; AU 2020353666 A1 20220414; BR 112022005900 A2 20220628; CN 114728147 A 20220708; EP 4034211 A1 20220803; EP 4034211 B1 20231227; EP 4353288 A2 20240417; EP 4353288 A3 20240619; IL 291648 A 20220501; MX 2022003715 A 20220711; WO 2021062214 A1 20210401

DOCDB simple family (application)  
**US 202017032751 A 20200925**; AU 2020353666 A 20200925; BR 112022005900 A 20200925; CN 202080080603 A 20200925; EP 20790120 A 20200925; EP 23218901 A 20200925; IL 29164822 A 20220323; MX 2022003715 A 20200925; US 2020052808 W 20200925